

E-training tool exercises

Supra-category: IOTC ROS Scientific Field Observer Training (IOTC ROS SFO)

Category: IOTC fisheries: Pole and line fishery (IOTC ROS TR14)


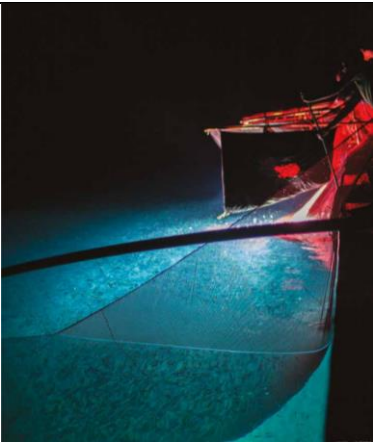
Individual Exercise, to be completed in a maximum time of 30 min. This work will be included in the ongoing evaluation process.




1) Select possible target species for pole and line fishing in the Indian Ocean:

Answer by ticking the correct answers:

- ☐ Blue shark
- ☒ Yellowfin tuna
- ☐ Blue marlin
- ☒ Bluefin tuna
- ☐ Striped marlin
- ☒ Skipjack tuna
- ☒ Kawa-kawa

2) Match the text with the correct corresponding image by drawing a line between them

Figure	Image	Text
1		Lampara net
2		Manual poles

3		Bagan
4		Automatic poles
5		Lift-net

Answers: Figure 1 – Bagan; Figure 2 – Lift-nets; Figure 3 – Automatic poles; Figure 4 – Lampara net; Figure 5 – Manual poles

3) What characterizes an associated school of tuna? Select the correct answers from below.

Answer by ticking the correct answers

☒ It presents high bycatch levels (>5%)

☒ It aggregates around natural or man-made FADs (e.g., whale sharks, logs, drifting FADs)

☐ It tends to give random results, but when successful they are highly profitable since they tend to lure large yellowfin and bigeye and very little bycatch.

☒ It mainly consists of mixed small size tuna including skipjack, juvenile bigeye and yellowfin tuna

☒ It is associated with a higher successful catch rate

☐ It does not congregate around a floating object.

☐ It presents low bycatch levels (<5%)

4) Complete the sentence: Pole and Line vessels in the Indian Ocean...

Answer by ticking the correct answers:

☐ ...have the same vessel layout.

☒ ...have different vessel layouts depending on each country.

☐ ...target swordfish and other billfish.

☒ ...target various tuna and tuna-like species.

5) Live bait is caught with the following equipment in IOTC:

Answer by ticking the correct answers:

☒ Bagan

☐ Hand-line

☒ Lift-nets

☐ FADs

☐ Echo sounder

☒ Beach-nets

☒ Lampara net

6) True or False:

Bait for Pole and Line fishing in the Indian Ocean is supplied in packed frozen boxes and the species should be identified by the observer.

Answer by ticking the correct answers:

- ☐ True
☒ False

7) When does a Pole and Line fishing event start?

Answer by ticking the correct answer:

- ☐ When the captain indicates fishing started
☐ When the first fish is landed
☐ When the first line enters the water
☒ When chumming starts
☐ When water spraying starts
☐ When the logbook states the fishing event started

8) True or False:

Fish caught in Pole and Line fishing is generally processed onboard.

Answer by ticking the correct answer:

- ☐ True
☒ False

9) Select all the correct statements related to Fish Aggregating Device (FAD) use in Pole and Line fishing:

Answer by ticking the correct answers:

- ☐ FADs are used when targeting free-schools
☐ FADs help reduce bycatch in pole and line fishing
☒ FADs can be both natural objects or man made
☐ FADs are used to lure small fish for live bait
☒ FADs are used when targeting associated schools

10) Select the correct answers:

Pole and Line fishing gear include:

Answer by ticking the correct answers:

☒ Manual poles

☐ Barbed hooks

☒ Fibreglass poles

☒ Automatic poles

☒ Barbless hooks

☒ Bamboo poles